

Notice of Allowability

Application No.

10/715,310

Examiner

Michael Rutland-Wallis

Applicant(s)

DINN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/22/2006.
2. ☒ The allowed claim(s) is/are 1,2,9,12-15,17,19-23,29,32-35,37,39,40 and 48-59.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 9/13/06
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

**ANATOLY VORTMAN
PRIMARY EXAMINER**

DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Canada on 04/02/2003. It is noted that applicant has filed a certified copy of the CA 2,418,387 application as required by 35 U.S.C. 119(b).

Response to Arguments

Applicant's amendments obviate the previous 112 2nd paragraph rejections; hence all previous 112 rejections are hereby withdrawn. Applicant's arguments, and amendments with respect to the prior art have been fully considered and are persuasive. The previous rejections have been withdrawn.

Allowable Subject Matter

Claims 1,2,9,12-15,17,19-23,29,32-35,37,39,40 and 48-59 are allowed. The following is an examiner's statement of reasons for allowance: With respect to claims 1, 21 and 54 Birse et al. (U.S. Pat. No. 4,685,396) teaches a system for remotely activating a deployed device, the deployed device (see fig. 3) having a load (item 26 ignition element) and a battery (items 23 and 26), the system comprising: a transmitter (item 16), remote from the deployed device, for generating an AC magnetic field; and a

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receiver (see fig. 6) disposed at the deployed device, the receiver including an antenna (item 21 "pick-up coil") and for sensing the AC magnetic field and generating an output signal (signal from amplifier item 22 to close switch 28) in response to the sensed AC magnetic field, and a switch (28) coupled in series with the load and the battery. Birse further teaches a delay circuit (item 27) coupled between the amplifier and said switch for integrating the output signal, said switch being responsive to said delay circuit (item 27) to couple the battery to the load, thereby activating the deployed device. Birse does not teach the use of a voltage detector as claimed nor does Birse describe the delay circuit as an integrating delay circuit. The remote circuitry of Birse is designed to trigger the load only when the proper signal is sent to for a predetermined duration see col. 6 lines 35-40. King teaches magneto induction transmitter and remotely disposed deployable device, see figure 1. King (U.S. Pat. No. 6,236,333) teaches in col. 3 lines 1-12 when the magnitude of the sensed magnetic field exceeds a threshold value the receiver section transitions from a low power sleep mode to full power active mode. Jensen (U.S. Pat. No. 3,884,170) teaches a resistive capacitance integrating circuit formed in item 28 of Jensen in order to prevent unintentional triggering of the remote device if applicant contends such delay is not performed in the amplifying section (item 58 figure 6) of Birse. Birse nor King nor Jensen teach the use of a semiconductor device within the voltage detector wherein the voltage detector includes the use of cutoff mode and an active mode and wherein the said semiconductor device operates in cutoff when the induced voltage is below the threshold and active mode when the induced voltage is

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above the threshold voltage. At least these further limitations to claims 1, 21 and 54 are not taught or rendered obvious by the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Rutland-Wallis whose telephone number is 571-272-5921. The examiner can normally be reached on Monday-Thursday 7:30AM-6:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



**ANATOLY VORTMAN
PRIMARY EXAMINER**

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MRW

A handwritten signature in black ink, appearing to read 'A. Vortman', with a long, sweeping horizontal line extending to the right.

**ANATOLY VORTMAN
PRIMARY EXAMINER**